

3748

NY.13-1

NY.13

MEMORANDUM

TO: FILE

DATE 11/6/87

OP1

FROM: S. JonesSUBJECT: Elimination Recommendation -SITE NAME: ACF IndustriesALTERNATE NAME: American Car +CITY: Buffalo STATE: NYFoundry
(also see ACF, Albuquerque)

OWNER(S)

Past: ACF Industries Current: not knownOwner contacted ☐ yes ☒ no; if yes, data contacted

TYPE OF OPERATION

☐ Research & Development☐ Facility Type☐ Production scale testing☐ Pilot Scale☐ Bench Scale Process☐ Theoretical Studies☐ Sample & Analysis☐ Manufacturing☐ University☐ Research Organization☐ Government Sponsored Facility☒ Other Assembled bombComponent for Thermonuclear
weapon program☐ Production☐ Disposal/Storage

TYPE OF CONTRACT

☒ Prime☐ Subcontractor☐ Purchase Order☐ Other information (i.e., cost
+ fixed fee, unit price,
time & material, etc)Contract/Purchase Order # AT(29-1)-1323 + -1352CONTRACTING PERIOD: 1955-6-?

OWNERSHIP:

AEC/MED
OWNEDAEC/MED
LEASEDGOVT
OWNEDGOVT
LEASEDCONTRACTOR
OWNEDCONTRACTOR
LEASEDLANDS ☐BUILDINGS ☐EQUIPMENT ☐ORE OR RAW MATL ☐FINAL PRODUCT ☐WASTE & RESIDUE ☐☐
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AEC/MED INVOLVEMENT AT SITE

Control

- ☐ AEC/MED managed operations
- ☐ AEC/MED responsible for accountability
- ☐ AEC/MED overviewed operations
- ☐ Contractor had total control
- ☐ unknown

- ☐ Health Physics Protection
 - ☐ Little or None
 - ☐ AEC/MED responsibility
 - ☐ Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- ☒ No Radioactive
- ☐ Natural Radioactive from Feed Materials Production
 - ☐ Ore
 - ☐ Refined Source Material
 - ☐ Residue
- ☐ Natural Radioactive Material from Non-Nuclear Activities
- ☐ Man-Made
- ☐ Other

Comment Procured, produced + delivered mechanical + cryogenic components

Quantities (on the basis of records reviewed)

- ☐ None
- ☐ Production Quantities
- ☐ Small Amounts

Comment _____

OTHER PERTINENT FACTS:

- ☐ Facility was Licensed
 - ☐ During AEC/MED-Related Operations
 - ☐ For Similar Activities
 - ☐ For Other Activities

Comment _____

- ☐ Commercial Production Involving Radioactive Material during AEC/MED Operations

- ☐ Facility was Decontaminated and Released

- ☐ Availability of Close Out Records

☐ None

☐ Some

☐ Sufficient

- ☒ Radioactive Status:

YES

MAYBE

PROBABLY

NOT

NOT

Contaminated
Potential for
Exposure
(accessible)

X

X

X

X

QUANTITY OF RECORDS AVAILABLE:

☐ Very Little ☐ Some ☒ Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

☒ Low ☐ Possible ☐ High

RECOMMENDATIONS:

- ☒ Eliminate
☐ Consider for Remedial Action
☐ Collect More Data

Comment Site was declared clean in 1974+76 by the AEC (4/5/74 letter
Pittman to Chairman Ray)

REFERENCES: See attached bibliography

4/5/74 letter Frank Pittman to Chairman Ray - Partial Copy
"Study of Previously Released AEC Facilities"

SUMMARY

AEC declared there would be no detectable contamination
at this site due to the nature of operations performed.

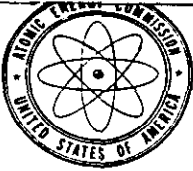
11/06/87

| DATE | FILE# | FROM | TO | SUBJECT | SITES | BOX # |
|----------|---------|---------------|---------------|---|---|-------------|
| 03/04/55 | 3.1ALBQ | ARMSTRONG, J. | LEEHEY, D. | ^{albug. plant} WEAPONS PROGRAM ASSUMPTIONS FOR FY 1956 <i>1955-6 w/ LASL development, lists ACF (Buffalo plant) responsibilities: field test & cryogenic components (Coordinates production design of Buffalo plant)</i> | LASL, UNIVERSITY OF CALIFORNIA RAD LAB, SANDIA, BENDIX, PANTEX, BURLINGTON, ACF-BUFFALO, S. ALBUQUERQUE | 1912 |
| 02/05/54 | 3.1ALBQ | TYLER, C. | FIELDS, K. | ADDITIONAL BACKUP DATA FOR AMENDED FY 1955 WEAPONS PRODUCTION BUDGET ESTIMATE <i>Costs < 20K</i> | ROYAL, SANDIA, ACF, CAMCO, DOW, BENDIX | 1913 |
| 02/19/54 | 3.1ALBQ | LEEHEY, D. | FIELDS, K. | PRELIMINARY PROGRAM ASSUMPTIONS FOR FY 1956 <i>Same as 3/4/55 above.</i> | LASL, SANDIA, NBS-BOULDER, LIVERMORE, BENDIX, ACF, CAMCO, UNIVERSITY OF CALIFORNIA RAD LAB | 1914 |
| 11/25/53 | 3.1ALBQ | KRAKER, G. | DIRECTOR, AEC | GAO REVIEW OF DMA CONTRACT PROCEDURES <i>Contract # AT(29-1)-1323</i> | DOW, BENDIX, FLUOR, ACF, SONOTONE, SANDIA, UNIVERSITY OF CALIFORNIA | 1915 |
| 03/21/54 | NY.8 | LEEHEY, D. | FIELDS, K. | SUPPORT OF FINDINGS AND DETERMINATION - ACF SUBCONTRACT WITH LINDE AIR PRODUCTS COMPANY | LINDE, ACF, CAMBRIDGE CORPORATION (CAMCO) | 1916 |
| 02/13/54 | NY.13 | KRAKER, G. | FIELDS, K. | SUPPORT OF FINDINGS AND DETERMINATIONS - ACF PRODUCTION CONTRACT | ACF | 1917 |
| 02/13/54 | NY.13 | KRAKER, G. | FIELDS, K. | SUPPORT OF FINDINGS AND DETERMINATIONS - ACF PRODUCTION CONTRACT <i>Requests ACF contract for \$40,000,000/yr for production of TN weapons</i> | ACF ALBQ/1 | 3427 |
| 03/20/61 | NY.13 | CONAWAY, J. | EGAN, W. | FAULTY ACF FORGING (LEAKS IN THE WAFER WELD AREAS) | ACF | DUPONT 3561 |
| 02/19/65 | 3.4 | NEWS RELEASE | | NEWS RELEASE - PROCUREMENT CONTRACT AWARDS BY AEC AND PRIME COST TYPE CONTRACTORS FOR NOVEMBER 1964 <i>ACF - Prime # AT(29-1)-1352</i> <i>subs: CPR Intl. Component Parts \$25.5K</i> <i>Vector cable co. electrical cable system \$60K</i> <i>Wymen - Gordon, Shell Black flat forging \$131K</i> | MULTIPLE, WILLAMETTE IRON, BENDIX AVIATION, DOW CHEMICAL BOULDER, SCIACKY BROTHERS, ACF INDUSTRIES ALBUQUERQUE, ATOMICS INTERNATIONAL, UNIVERSITY OF CHICAGO, ALLIS-CHALMERS, EG&G, NUMEC | UNKN 3636 |

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ACF INDUSTRIES

| DATE | FILE# | FROM | TO | SUBJECT | SITES | BOX # |
|---|-------|--------------|----|--|---|--------------|
| 03/16/65 | 3.4 | NEWS RELEASE | | NEWS RELEASE - PROCUREMENT CONTRACT AWARDS BY AEC AND PRIME COST TYPE CONTRACTORS FOR DECEMBER 1964 | MULTIPLE, UNIVERSITY OF DENVER, ACF INDUSTRIES, AEROMET-GENERAL CORP, SUPERIOR TUBE, PHILLIPS PETROLEUM, UNITED AIRCRAFT CORP, PRATT & WHITNEY, PENNSALT, NUCLEAR FUEL SERVICES, DOW CHEMICAL, STAUFFER | UNKN 3637 |
| <i>ACF - Prime AT(29-1) - 1352</i> | | | | | | |
| <i>- Subs: GE, alloy # 37K unit ^{substation}</i> | | | | | | |
| <i>Trend, alloy # 31K gasket</i> | | | | | | |



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

APR 5 1974

Partial listing

Chairman Ray

THRU: J. A. Erlewine, General Manager

STUDY OF PREVIOUSLY RELEASED AEC FACILITIES

This memorandum responds to your expressed interest in a listing of previously owned contaminated facilities released by AEC which might be of concern if reexamined in the light of current standards. Field Offices were requested to identify all past cleanup efforts resulting in the transfer or release of real property for unconditional or restricted use. They were asked to summarize the cleanup action taken, to include cleanup criteria used and to provide a judgment of the adequacy of that criteria to meet current standards. The responses are summarized in the enclosed Table.

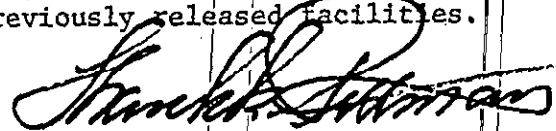
In responding to this request, Field Office efforts were hampered to some extent by normal attrition of personnel most knowledgeable about the past cleanup and disposal actions and by an absence of comprehensive documentation of these actions. Official AEC levels of contamination that now govern the return of real property to public use had not been formulated in the days when some land areas were released. However, areas having detectable surface contamination were cleaned, based upon existing conditions and intended future use. In general, the Field Offices consider that earlier decontamination efforts which prefaced release of real property to the public are adequate when evaluated against AEC Regulatory decontamination/decommissioning guidelines currently used by AEC on an ad hoc basis.

In my view, it would be premature at this time to consider AEC's legal responsibilities or the feasibility of taking broad action with regard to the extensive real property release actions shown in the enclosed Table. Although in some cases it is clear that AEC has no direct legal

responsibility, in many other cases documentation would not be adequate to make such a determination. Further, decisions on action may need to be based mainly on non-legal considerations using value judgments and subjective reasoning relative to health risk, potential public reaction, environmental impact, ease of accomplishing anything useful, and cost, rather than on definitive data.

The Division of Operational Safety is developing a program to reexamine certain previously released properties, marked with an X in the enclosed Table, where radiological records are incomplete or do not exist and, if required, initiate a detailed radiological survey. At this time, the total cost of this program, to be accomplished over four years, is projected by OS to be between \$1 to \$1.5 million.

Upon completion of the documentation search and necessary radiological surveys and evaluations by OS, any required additional decontamination work will be funded and directed by WMT. Any costing and feasibility considerations will, of course, be contingent on the review and cleanup criteria established by OS. We anticipate that additional cleanup will be required at a limited number of previously released facilities.



Frank K. Pittman, Director
Division of Waste Management
and Transportation

Enclosure:

Table - Disposition of Ex-AEC Owned
or Leased Facilities

cc w/encls:

Commissioner Larson
Commissioner Doub
Commissioner Kriegsman
Commissioner Anders

H. Glauberman, WMT
Extension 4214

| Field Office | Action Taken | Current Radiological Status | Documentation | Remarks |
|--|---|---|--|--|
| <u>ALBUQUERQUE (Cont'd)</u> Dayton Area Office/ Monsanto Research Corp. Miamisburg, Ohio Unit III 1601 West First St., Dayton, Ohio Unit IV Runnymede Rd. and Dixon Avenue, Dayton, Ohio | Unit III decontaminated and returned to Dayton Board of Education in 1950. Criteria used - no detectable removable alpha contamination and a maximum of 5000 d/m/100 cm ² of fixed alpha contamination. Unit IV decontaminated, totally dismantled, excavation filled with top soil and site returned to original owner (Talbot Family Estate) with no detectable contamination in 1950. Contaminated material from dismantlement disposed of at Mound Lab. to allow final decay of Po ²¹⁰ . | Quantity of Po ²¹⁰ remaining due to short half life could be classed as non-existent and nondetectable by any means. When Unit IV returned to original owner, land had no detectable contamination. | Available through ALO - SRD Document MLM-393, dated Oct. 31, 1949, F. L. Halbach - "Report No. 1 of Steering Committee of Units III and IV" - Completion report for disposal of Unit III. Available through ALO - SRD Document MLM-461, dated Apr. 17, 1950, F. L. Halbach - "Report No. 3 of Steering Committee for Disposal of Units III and IV" - completion report for disposal of Unit IV. | Cleanup considered be adequate to current standards and no additional action is required. Cleanup considered be adequate to current standards and no additional action is required. |
| <u>Production Facilities (Under control of SFO/AL)</u> *Westinghouse Naval Ord. Detroit, Mich. *Rock Island Arsenal Rock Island, Ill. **ACF Industries Buffalo, N.Y. **ACF Industries Albuquerque, N.M. *Picatinny Arsenal Dover, N.J. | None of the facilities was contaminated. The facility or AEC occupied portion was unconditionally released or returned to prime tenant. | *No radioactive materials handled at these facilities. **Unknown - however, no detectable contamination suspected due to nature of operations performed. | *Per telecon A. P. Flagstead, AL, 2/12/74. ACF - Buffalo - AT(29-2)-207, -10/31/57--copy of memo of understanding to close out facility. ACF - Albuq. - memo of understanding on Form DD 1354, 12/7/67, AEC released to Air Force. Picatinny - File Code 2-UR - AT(29-2)-1274, GSA approved transfer to Dept. of Army, 12/6/61 - accepted Jan. 24, 1962. | No additional action considered necessary by AL. |

MAY 1976

SITES PREVIOUSLY UTILIZED BY MED AND AEC
FOR RADIOLOGICAL ACTIVITIES WHICH ARE NO LONGER UNDER ERDA CONTROL

DRAFT

| FIELD OFFICE AND SITES | DISPOSITION ACTION | RADIOLOGICAL CONDITION | REMARKS |
|---|---|---|---|
| 17. Westinghouse Naval Ord., 1 Detroit, Michigan | Returned to tenant unconditionally. | Radioactive materials not handled in these facilities. No accidents or incidents recorded. | NO FURTHER SURVEYS PROPOSED. |
| 18. Rock Island Arsenal, 2 Rock Island, Illinois | | | |
| 19. Picatinny Arsenal, Dover, New Jersey | GSA transfer to Army on January 24, 1962. | | AL File Code 2UR-AT(29-2)1274. |
| 20. ACF Industries, Albuquerque, New Mexico | Released to USAF, memo of understanding DD-1354 dated December 7, 1967. | Unknown - but no radioactive contamination expected due to nature of work. | Now USAF responsibility. NO FURTHER SURVEY PROPOSED. |
| 21. ACF Industries, Buffalo, New York | Released to ACF per AT(29-2)- 207 on October 31, 1957. | Same as above. | NO FURTHER SURVEY PROPOSED. |
| 22. TA-1 Manhattan Project Lab. Site, Los Alamos, New Mexico | Site excessed and sold to private individuals and com- panies for unrestricted use in 1950's-1960's. | Surface and building decon- tamination done in 19 . In 1974 resurvey of sites indi- cated highly contaminated soil. Survey and cleanup done in 1975-76 by AL-LASL. Report in preparation. | Original decontamination efforts found to be unsatisfactory. Extensive soil decontamination done in 1975-76 period. be absolutely sure all contamination removed from property. But AL-LASL feel remaining contamination of health significance. SITE SURVEYED IN 1975-76. |